CLAIMS

We I claim:

1. A pharmaceutical composition in solid form comprising bupropion hydrochloride and carboxyvinyl polymer in an effective stabilizing amount.

2. The composition of claim 1, in which the composition contains at least about 90% w/w of undegraded bupropion hydrochloride after storage for 2 weeks at 55°C.

3. The composition of claim 1, in which the composition contains at least about 90% w/w of undegraded bupropion hydrochloride after storage for 3 months at 40°C and 75% relative humidity.

4. A pharmaceutical composition according to claim 1, which comprises from about 0.5% to 30% by weight of carboxyvinyl polymer as stabilizer to inhibit the degradation of bupropion hydrochloride.

5. A pharmaceutical composition according to claim 1, which comprises from about 5% to 30% by weight of carboxyvinyl polymer to provide drug release over a period of from about 8 hours to about 24 hours.

6. A pharmaceutical composition according to claim 5, which comprises from about 5% to about 30% by weight of the carboxyvinyl polymer.

7. A pharmaceutical composition according to claim 5, which comprises from about 8% to 28% by weight of carboxyvinyl polymer.

8. A pharmaceutical composition according to claim 5, which comprises from about 10% to about 28% by weight of carboxyvinyl polymer.

9. A method of stabilizing bupropion hydrochloride in a pharmaceutical composition according to claim 1, wherein said method comprises mixing bupropion hydrochloride with suitable pharmaceutical excipients and carboxyvinyl polymer and granulating with purified water.

10. A pharmaceutical composition according to claim 1 further comprising a pharmaceutical excipient selected from the group consisting of lactose, magnesium stearate and microcrystalline cellulose.

11. A pharmaceutical composition according to claim 10, wherein the pharmaceutical excipient is microcrystalline cellulose.

12. A sustained release tablet comprising bupropion hydrochloride, carboxyvinyl polymer and lactose.

13. A sustained release tablet comprising bupropion hydrochloride, carboxyvinyl polymer and microcrystalline cellulose.

14. A sustained release tablet according to claim 12, wherein the mean release of bupropion hydrochloride is one of about between 30% and 45% in 1 hour, about between 60% and 80% in 4 hours, and not less than 85% in 7 hours when tested in distilled water using the United States Pharmacopoeia paddle dissolution method at a rotational speed of 50 rpm.

15. A sustained release tablet according to claim 13, wherein the mean release of bupropion hydrochloride is one of about between 30% and 45% in 1 hour, about between 60% and 80% in 4 hours, and not less than 85% in 7 hours when tested in distilled

water using the United States Pharmacopoeia paddle dissolution method at a rotational speed of 50 rpm.

16. A sustained release tablet according to claim 12, wherein the mean release of bupropion hydrochloride is one of about between 10% and 25% in 1 hour, about between 30% and 60% in 8 hours, and not less than 65% in 12 hours when tested in distilled water using the United States Pharmacopoeia paddle dissolution method at a rotational speed of 50 rpm.

17. A sustained release tablet according to claim 13, wherein the mean release of bupropion hydrochloride is one of about between 10% and 25% in 1 hour, about between 30% and 60% in 8 hours, and not less than 65% in 12 hours when tested in distilled water using the United States Pharmacopoeia paddle dissolution method at a rotational speed of 50 rpm.